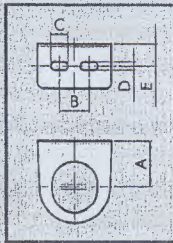


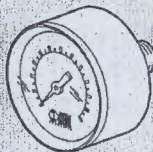
ESCUADRA DE FIJACIÓN



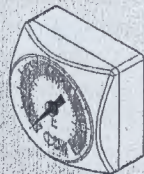
Código	Referencia
9200701	SF 1/4
9400701	SF 1/2

Código	A	B	C	D	E
9200701	32	20	12	5.5	14.2
9400701	42	40	12	5.5	15

MANÓMETROS



Código	Referencia
9700102	M 40 1/8 04
9700101	M 40 1/8 012
9800102	M 50 1/8 04
9800101	M 50 1/8 012
9900101	M 63 1/4 012

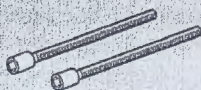


9700109	M 40x40 1/8 04
9700110	M 40x40 1/8 012

TIRANTES



Código	Referencia
9200901	T 1/4 F+L tirantes
9400901	T 1/2 F+L tirantes
9600901	T 3/4 F+L tirantes



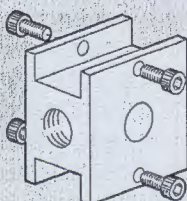
9604402	T 3/4-1 V3V+F+R tirantes
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ADAPTADOR PARA V3V



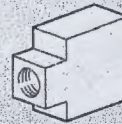
Código	Referencia
9201001	Acc. adaptador para X V3V+FR/D 1/4
9401001	Acc. adaptador para X V3V+D 3/8
9401002	Acc. adaptador para X V3V+D 1/2
9601001	Acc. adaptador para X V3V+F 1

BLOQUE DE CONEXIÓN REGULADOR



Código	Referencia	Peso [g]
9200501	BC 1/4 bloque	90
9400501	BC 1/2 bloque	244
9600501	BC 3/4 bloque	428

DISTANCIADORES PARA MONTAJE A PARED FRL



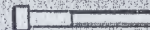
Código	Referencia
9200601	DF 1/4 distanciador
9400601	DF 1/2 distanciador
9600601	DF 3/4 distanciador

LLAVE DE DESMONTAJE VASO



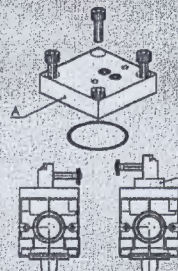
Código	Referencia
9601501	Rep. llave desmontaje TMV

TORNILLOS ENSAMBLAJE (N° 2 PIEZAS)



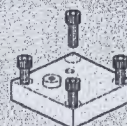
Código	Referencia
9250001	Acc. CVA 1/4 tornillos M4X40
9250002	Acc. CVA 1/4 tornillos M4X82 V3V+F+R
9450001	Acc. CVA 1/2 tornillos M5X55
9450002	Acc. CVA 3/8 1/2 tornillos M5X60 V3V+R
9450003	Acc. CVA 3/8 1/2 tornillos M5X120 V3V+F+R
9650001	Acc. CVA 3/4 tornillos M6X70

PLACA INVERSIÓN MANDO CNOMO PARA V3V 3/4"-1"



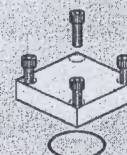
Código	Referencia	Peso [g]
9640201	Kit placa para inversión mando CNOMO V3V	86

PLACA PARA PILOTAJE REMOTO PARA V3V 3/4"-1"



Código	Referencia	Peso [g]
9640001	Kit placa para pilotaje remoto	84

PLACA DE CIERRE REG O V3V 3/4"-1"



Código	Referencia	Peso [g]
9640101	Kit placa de cierre para regulador o V3V	82

MANDO MANUAL LLAVE PARA V3V 3/4"-1"



Código	Referencia	Peso [g]
9640301	Kit mando manual de llave para V3V	364

**SQUARE CLAMPING
GROUP BIT AND SYNTESI
T1 1/4 - METAL WORK**

€3.46 Tax included
€2.88 tax excl.



Bracket for fixing filter group and pneumatic regulator of
the series bit and syntesi size 1.

Reference: 9200701



Representative image for illustrative purposes, the item supplied will
correspond to the specifications indicated.

Vg



SINÓPTICO TAMAÑOS Y VERSIONES

REG ELEMENTO	1/4 CONEXIÓN ROSCADA	04 GAMA DE REGULACIÓN
REG	1/4	04 = 0 + 4 bar
	3/8	08 = 0 + 8 bar
	1/2	012 = 0 + 12 bar
	3/4	
	1	

CÓDIGOS DE PEDIDO

Código	Referencia
REGULADOR NEW DEAL 1/4"	
1202001	REG 1/4 04
1202002	REG 1/4 08
1202003	REG 1/4 012
1202004	REG 1/4 02
REGULADOR NEW DEAL 3/8"	
1302001	REG 3/8 04
1302002	REG 3/8 08
1302003	REG 3/8 012
REGULADOR NEW DEAL 1/2"	
1402001	REG 1/2 04
1402002	REG 1/2 08
1402003	REG 1/2 012
REGULADOR NEW DEAL 3/4"	
1502001	REG 3/4 04
1502002	REG 3/4 08
1502003	REG 3/4 012
REGULADOR NEW DEAL 1"	
1602001	REG 1 04
1602002	REG 1 08
1602003	REG 1 012

NOTAS

Veto

CURVAS DE CAUDAL

REG 1/4

 $P_m = 0.7 \text{ MPa} = 7 \text{ bar} = 100 \text{ psi}$
 Presión regulada
 psi, MPa, bar


REG 3/8 - 1/2

 $P_m = 0.7 \text{ MPa} = 7 \text{ bar} = 100 \text{ psi}$
 Presión regulada
 psi, MPa, bar

Departamento
de Mecánica

Politécnico de Turín


 P_m P_v T P $\frac{Q}{N_2O}$

condición de prueba

- Pruebas de caudal realizadas por el Departamento de Mecánica del Politécnico de Turín, utilizando un banco de medición informatizado y de conformidad con las indicaciones de la recomendación CETOP RP50R (ISO DIS 6358-2) con medidor de diafragma ISO 5167.

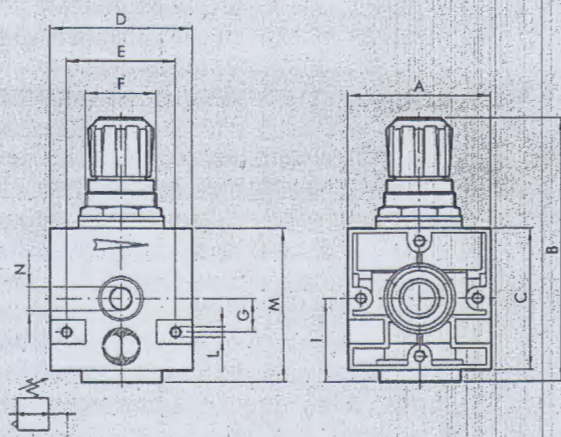
REG 3/4 - 1"

 $P_m = 0.7 \text{ MPa} = 7 \text{ bar} = 100 \text{ psi}$
 Presión regulada
 psi, MPa, bar


GRUPOS

REGULADOR New deal

DIMENSIONES



	REG ND 1/4"	REG ND 3/8"	REG ND 1/2"	REG ND 3/4"	REG ND 1"
Conexión roscada	1/4"	3/8"	1/2"	3/4"	1"
A	42	60		80	
B	94	130		184	
C	42	60		80	
D	42	60		80	
E	32	46		66	
F	30 x 1.5	38 x 2		55 x 2	
G	10	14		22	
I	25	35		47	
L	Agujero para tornillos x M4		Agujero para tornillos x M4		Agujero para tornillos x M6
M	49	70		94	
N (Conexión manómetro)	1/8"	1/8"		1/4"	

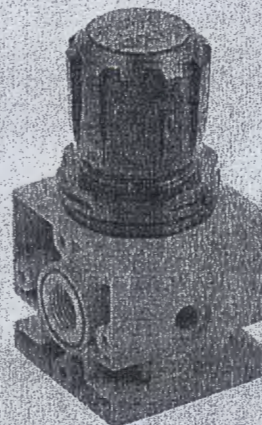
REGULADOR



METAL
WORK
PNEUMATIC

Regulador de pistón de extrema fiabilidad y robustez

- Estabilidad de la presión fijada al variar en relación con la superior.
- Válvula de purga de la sobrepresión de serie.
- Posibilidad de fijación en la pared mediante agujeros laterales en el cuerpo.



DATOS TÉCNICOS

Acoplamiento roscado

Campo de regulación

Presión máx. entrada

Caudal a 6.3 bar (0.63 MPa + 91 psi) ΔP 0.5 bar (0.05 MPa + 7 psi)

Caudal a 6.3 bar (0.63 MPa + 91 psi) ΔP 1 bar (0.1 MPa + 14 psi)

Temperatura máx. a 1 MPa; 10 bar; 145 psi

Peso

Tornillos de fijación a pared

Acoplamiento manómetro

Posición de montaje

Fluido

Notas de uso

REG ND 1/4"

REG ND 3/8"

REG ND 1/2"

REG ND 3/4"

REG ND 1"

1/4"

3/8"

1/2"

3/4"

1"

bar. 0+4 - 0+8 - 0+12

0+4 - 0+8 - 0+12

0+4 - 0+8 - 0+12

MPa 1.8

1.8

1.8

bar 18

18

18

psi 261

261

261

NL/min 200

1100

2500

scfm 7

39

89

NL/min 650

2500

4500

scfm 23

89

160

°C 50

50

50

°F 122

122

122

kg 0.3

0.8

1.5

M4 x 40

M4 x 55

M6 x 75

1/8"

1/8"

1/4"

En cualquier posición

Aire filtrado con o sin lubricación, si se utiliza la lubricación, tiene que ser continua.

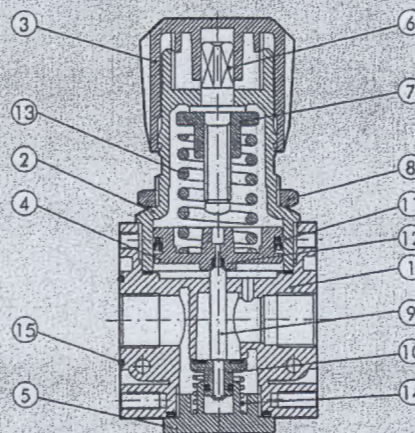
En el regulador, la presión debe ajustarse en subida.

Para una mayor sensibilidad en la regulación, utilizar un regulador con presión de placa lo más cercana posible a la presión deseada.

No tomar aire de los empalmes manométricos.

COMPONENTES

- 1 Cuerpo en zamak
- 2 Campana en tecnopolímero
- 3 Pomo en tecnopolímero
- 4 Pistón en tecnopolímero
- 5 Tapa en tecnopolímero
- 6 Tornillo registros en latón OT58
- 7 Tornillo patrón en latón OT58
- 8 Anillo de fijación en latón para 3/4"-1" en Tecnopolímero para 1/4" - 3/8" - 1/2"
- 9 Vástago en latón OT58
- 10 Válvula con junta en NBR vulcanizado
- 11 Juntas de labio en NBR
- 12 Juntas relieving en NBR
- 13 Muelle registro en acero
- 14 Muelle pulsaválvula en acero
- 15 Juntas en NBR



GRUPOS

REGULADOR New deal

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Lower back mount

Technical drawing of a 120° valve with a 1/2 inch connection. The drawing includes a front view showing the valve body with a 120-degree opening, a top view showing the valve handle and connection details, and a side view showing the valve handle and connection details. Dimensions are given in millimeters and inches.

Key dimensions and features:

- Front View:
 - Overall diameter: $\phi D4$
 - Inner diameter: $\phi D3$
 - Valve handle diameter: $\phi 4.8$ [0.189]
 - Valve handle length: 120°
- Top View:
 - Valve handle diameter: $\phi 20$
 - Valve handle length: 22.5 [0.888]
 - Valve handle width: 3.5 [0.138]
 - Valve handle thickness: 16.5 [0.65]
 - Valve handle material: SW 17
- Side View:
 - Valve handle diameter: $\phi 20$
 - Valve handle length: 22.5 [0.888]
 - Valve handle width: 3.5 [0.138]
 - Valve handle thickness: 16.5 [0.65]
 - Valve handle material: SW 17

Page 8 of 11

Accuracy specifications

Temperature error

On deviation from the reference conditions at the measuring system:
 $\leq \pm 0.4 \text{ \% per } 10 \text{ }^{\circ}\text{C}$ [$\leq \pm 0.4 \text{ \% per } 18 \text{ }^{\circ}\text{F}$] of full scale value

Reference conditions

Ambient temperature

$+20 \text{ }^{\circ}\text{C}$ [$+68 \text{ }^{\circ}\text{F}$]

Scale ranges

bar

0 ... 0.6 ¹⁾	0 ... 40
0 ... 1	0 ... 60
0 ... 1.6	0 ... 100
0 ... 2.5	0 ... 160
0 ... 4	0 ... 250
0 ... 6	0 ... 400
0 ... 10	0 ... 600
0 ... 16	0 ... 1,000
0 ... 25	0 ... 1,600

kPa

0 ... 60 ¹⁾	0 ... 4,000
0 ... 100	0 ... 6,000
0 ... 160	0 ... 10,000
0 ... 250	0 ... 16,000
0 ... 400	0 ... 25,000
0 ... 600	0 ... 40,000
0 ... 1,000	0 ... 60,000
0 ... 1,600	0 ... 100,000
0 ... 2,500	0 ... 160,000

psi

0 ... 10 ¹⁾	0 ... 1,000
0 ... 15	0 ... 1,500
0 ... 30	0 ... 2,000
0 ... 60	0 ... 3,000
0 ... 100	0 ... 4,000
0 ... 160	0 ... 5,000
0 ... 200	0 ... 6,000
0 ... 300	0 ... 7,500
0 ... 400	0 ... 10,000
0 ... 600	0 ... 15,000
0 ... 800	0 ... 20,000

¹⁾ Not available for NS 63 [2 1/2"]

kg/cm²

0 ... 0.6 ¹⁾	0 ... 40
0 ... 1	0 ... 60
0 ... 1.6	0 ... 100
0 ... 2.5	0 ... 160
0 ... 4	0 ... 250
0 ... 6	0 ... 400
0 ... 10	0 ... 600
0 ... 16	0 ... 1,000
0 ... 25	0 ... 1,600

MPa

0 ... 0.06 ¹⁾	0 ... 4
0 ... 0.1	0 ... 6
0 ... 0.16	0 ... 10
0 ... 0.25	0 ... 16
0 ... 0.4	0 ... 25
0 ... 0.6	0 ... 40
0 ... 1	0 ... 60
0 ... 1.6	0 ... 100
0 ... 2.5	0 ... 160

Specifications

Basic information

Standard	- EN 837-1 - ASME B40.100 For information on the "Selection, installation, handling and operation of pressure gauges", see technical information IN 00.05.
Further version	- Oil- and grease-free for oxygen - Per NACE ¹⁾ MR0175 / ISO 15156, use in H₂S-containing environments in oil and gas production - With pre-volume deflagration flame arrester ²⁾ for mounting to zone 0 (EPL Ga), model 910.21; see data sheet AC 91.02
Nominal size (NS)	- Ø 63 mm [2 ½"] - Ø 100 mm [4"]
Connection location	- Lower back mount - Centre back mount
Window	- Laminated safety glass - Polycarbonate
Case	
Design	- Safety level "S1" per EN 837-1: with blow-out device - Safety level "S3" per EN 837-1: with solid baffle wall (Solidfront) and blow-out back Scale ranges ≤ 0 ... 16 bar [≤ 0 ... 300 psi] with equalising valve to vent and reseal case
Material	- Stainless steel 1.4301 (304) - Stainless steel 1.4571 (316Ti) - Stainless steel 1.4404 (316L)
Ring	Bayonet bezel, stainless steel
Mounting	Control panel version with seal
Case filling	- Without - Glycerine - Glycerine-water mixture for NS 100 [4"] with scale range ≤ 0 ... 2.5 bar [≤ 0 ... 40 psi] or for NS 63 [2 ½"] with scale range ≤ 0 ... 4 bar [≤ 0 ... 60 psi] - Silicone oil
Movement	- Stainless steel - Stainless steel 1.4404 (316L) - everlast® version

- 1) General information about NACE standards; see data sheet IN 00.21
 2) Only for instruments with Ex approval

Measuring element

Type of measuring element	Bourdon tube, C-type or helical type
Material	Stainless steel 1.4404 (316L)
Leak tightness	- Helium tested, leakage rate: < 5 · 10⁻⁹ mbar l/s - Helium tested, leakage rate: < 1 · 10⁻⁶ mbar l/s

Accuracy specifications

Accuracy class

NS 63 [2 ½"]	- EN 837-1 - ASME B40.100	Class 1.6 ±2 % ±1 % ±2 % of measuring span (grade A)
NS 100 [4"]	- EN 837-1 - ASME B40.100	Class 1.0 ±1 % of measuring span (grade 1A)

Bourdon tube pressure gauge, stainless steel For the process industry, panel mounting Model PG23CP, NS 63 [2 1/2"] and 100 [4"]

WIKA data sheet PM 02.24



For further approvals,
see page 6

Applications

- For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive environments
- Chemical and petrochemical industries, oil and gas industry, power engineering and also water and wastewater technology
- Particularly suitable for use in wellhead control panels (WHCPs) and hydraulic power units (HPUs)

Special features

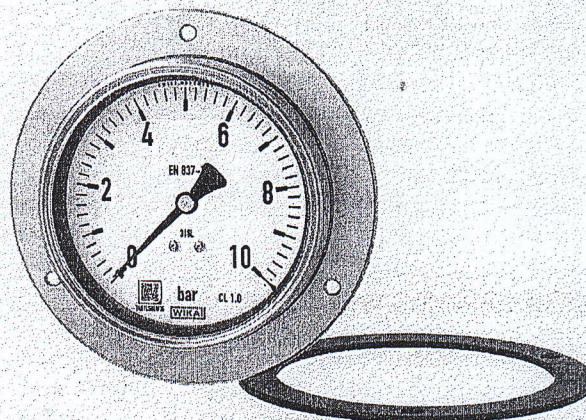
- Fully welded mounting ring to avoid the ingress of water into the control panel (ingress protection IP66)
- Completely from stainless steel
- Safety level "S1" or "S3" per EN 837-1 or per ASME B40.100
- Scale ranges from 0 ... 0.6 to 0 ... 1,600 bar or 0 ... 10 to 0 ... 20,000 psi
- QR code on dial links to instrument-specific information

Description

This high-quality Bourdon tube pressure gauge has been designed especially for the process industry.

Typical measuring points are located at operating units and operator panels, e.g. hydraulic power units (HPUs). A high-quality front bezel is used for secure mounting of the instrument. In most cases, the mounting situations require ingress protection IP66. For this reason, the sealing of the model PG23CP to the control panel is made using a fully welded mounting ring and a matched flat gasket.

The use of high-quality stainless steel materials and the robust design are geared to applications in the chemical and process engineering industries. Thus the instrument is suitable for liquid and gaseous media, also in aggressive environments.



Bourdon tube pressure gauge, model PG23CP, NS 100 [4"]

WIKA produces and qualifies the pressure gauge in accordance with the standards EN 837-1 and ASME B40.100.

Model PG23CP complies with at least safety level "S1", with blow-out device at the rear of the instrument. The safety level "S3" version is made up of a non-splintering window, a solid baffle wall between measuring system and dial and a blow-out back. In the event of a failure, the user is protected at the front side, as media or components can only be ejected via the rear of the case.

The QR code on the dial allows instrument-specific information such as the serial number, the order number, certificates and other product data to be retrieved from the internet easily and in the long term.

